**Project Design Phase-I Proposed Solution Template**

|  |  |
| --- | --- |
| Date | 17 OCTOBER 2022 |
| Team ID | PNT2022TMID51748 |
| Project Name | Project - Emerging Methods for Early Detection of Forest Fires |
| Maximum Marks | 2 Marks |

**Proposed Solution Template:**

**Project team shall fill the following information in proposed solution template.**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Parameter** | **Description** |
| 1. | Problem Statement (Problem to be solved) | A method for Detecting forest fires in an early stage to avoid massive damage. |
| 2. | Idea / Solution description | Identifying large forest fires in real-time utilising the AI algorithms with satellite footage and camera. The systems will then notify the dispatchers and the local authorities about the new ignition. |
| 3. | Novelty / Uniqueness | Convolutional Neural Network system enables us to deliver the required information more quickly and accurately. It is also possible to deploy a comprehensive coverage, which is nearly impossible. |
| 4. | Social Impact / Customer Satisfaction | Monitor the potential danger regions and early identification of fire can greatly reduce the response time, as well as potential damage and firefighting expenses, while also saving multiple lives. |
| 5. | Business Model (Revenue Model) | Subscription Model |
| 6. | Scalability of the Solution | Despite the physical distance between resources and users, its regionally scalable system maintains its usability and utility. |